

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	921	(237/12.3R).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 10:25
S2	320	(237/28).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 16:35
S3	260	(454/69).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 16:35
S4	4542	(165/185).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 16:35
S5	1644	(165/41).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 16:35
S6	6727	S2 or S3 or S4 or S5	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/02 16:35
S7	19	S6 and (circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/02 16:41
S8	5	S6 and (circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/02 16:51
S9	29	("5640293"   "5814765"   "6116916"   "6195263"   "6265659"   "6265840"   "6396380"   "6430054"   "6522528"   "RE36317"). PN. OR ("6724627"). URPN	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 16:57
S10	22	("20010028197"   "4557225"   "4899256"   "5140500"   "5461542"   "5646827"   "5712765"   "5946192"   "6166909"   "6282092"   "6671173"). PN. OR ("6785139"). URPN	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 17:06
S11	838	(361/715).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 17:22
S12	22	S11 and (circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/02 17:23

S13	1	("5801330").PN	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 17:45
S14	3	US-4620263-\$ DID. OR US-6779622-\$ DID. OR US-20020056540-\$ DID. OR DE-10233836-\$ DID. OR DE-3412510-\$ DID. OR DE-4023146-\$ DID. OR DE-10152924-\$ DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 17:49
S15	27	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	EPO	OR	ON	2011/03/03 09:07
S16	0	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) and vehicle	EPO	OR	ON	2011/03/03 09:07
S17	178	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	JPO	OR	ON	2011/03/03 09:13
S18	1	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) and vehicle	JPO	OR	ON	2011/03/03 09:13
S19	229	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	DERWENT	OR	ON	2011/03/03 09:23
S20	20	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) and vehicle	DERWENT	OR	ON	2011/03/03 09:23
S21	1	("6522540").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 09:28
S22	229	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	DERWENT	OR	ON	2011/03/03 13:52
S23	0	S22 and (" mm" or millimeter)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:52
S24	0	S22 and (" cm" or centimeter)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:53
S25	0	S22 and inch	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:53
S26	320	(237/28).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 13:54
S27	260	(454/69).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 13:54

S28	4550	(165/185).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 13:54
S29	1644	(165/41).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 13:54
S30	6735	S26 or S27 or S28 or S29	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:54
S31	429	S30 and (gap or clearance) and (" mm" or millimeter)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:54
S32	87	S30 and (gap or clearance) adj10 (" mm" or millimeter)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:55
S33	21	S32 and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:59
S34	1	("2003112532").PN.	JPO	OR	OFF	2011/03/03 16:59
S35	320	(237/28).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 17:03
S36	260	(454/69).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 17:03
S37	4550	(165/185).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 17:03
S38	1644	(165/41).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 17:03
S39	6735	S35 or S36 or S37 or S38	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:03
S40	5	S39 and (circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:03
S41	2	S40 and metal	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:03
S42	838	(361/715).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 17:05
S43	22	S42 and (circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:05
S44	14	S43 and metal	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:05
S45	0	(S39 or I110) and stepped adj metal adj5 plate	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:30
S46	0	(S39 or I110) and stepped adj metal	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:30
S47	39	(S39 or I110) and step\$3 adj3 metal	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:30

S48	1	("20060289664").PN.	US-PGPUB	OR	OFF	2011/03/04 12:40
S53	320	(237/28).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/04 13:31
S54	260	(454/69).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/04 13:31
S55	4550	(165/185).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/04 13:31
S56	1644	(165/41).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/04 13:31
S57	6735	S53 or S54 or S55 or S56	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:31
S58	54	S57 and (gap or clearance) adj10 (" in." or inch)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:31
S59	3	S57 and (gap or clearance) adj10 (" in." or inch) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:32
S60	3	S57 and (gap or clearance) adj10 (" in." or inch or inches) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:34
S61	3206	(gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) and vehicle and (rattl\$3 or vibrat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:35
S62	424	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat \$4))and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:36
S64	224	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat \$4)) and vehicle and (electric\$3 or electronic)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:38
S65	68	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat \$4)) same (electric\$3 or electronic) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:52

S66	0	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat \$4)) same (electric\$3 or electronic) and vehicle	EPO	OR	ON	2011/03/04 14:04
S67	0	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat \$4)) same (electric\$3 or electronic) and vehicle	JPO	OR	ON	2011/03/04 14:04
S68	0	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat \$4)) same (electric\$3 or electronic) and vehicle	DERWENT	OR	ON	2011/03/04 14:04
S69	68	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat \$4)) same (electric\$3 or electronic) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 14:19
S70	0	("3 mm" or "3 millimeter" or "20 mm" or "20 millimeter") adj5 (gap or clearance) adj10 (rattl\$3 or vibrat\$4) same (electric\$3 or electronic) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 14:21
S71	0	("3 mm" or "3 millimeter" or "20 mm" or "20 millimeter") adj5 (gap or clearance) adj10 (rattl\$3 or vibrat\$4) same (electric\$3 or electronic)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 14:21
S72	6	("3 mm" or "3 millimeter" or "20 mm" or "20 millimeter") adj5 (gap or clearance) adj10 (rattl\$3 or vibrat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 14:22
S73	167	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) and metal adj plate	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/05 15:07

S74	5	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) adj10 (metal adj plate)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/05 15:12
S75	2	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) adj10 (metal adj plate)	JPO	OR	ON	2011/03/05 15:12
S76	0	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) adj10 (metal adj plate)	EPO	OR	ON	2011/03/05 15:13
S77	0	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) adj10 (metal adj plate)	DERWENT	OR	ON	2011/03/05 15:13
S79	286	((radiat\$4 adj3 (member or plane or plate)) adj10 (metal adj plate)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/05 15:14
S80	35	((radiat\$4 adj3 (member or plane or plate)) adj10 (metal adj plate) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/05 15:15
S81	104	((heat adj sink) adj10 (metal adj plate) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/05 15:20
S82	48	((radiat\$4 adj3 (member or plane or plate)) adj10 ((metal or steel or aluminum or copper) adj plate) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/05 15:34
S83	320	(237/28).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/07 11:33
S84	260	(454/69).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/07 11:33
S85	4550	(165/185).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/07 11:33
S86	1644	(165/41).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/07 11:33
S87	6735	S83 or S84 or S85 or S86	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/07 11:33
S88	20	S87 and (circuit adj board or pcb) near10 (radiat\$4 adj3 (member or plane or plate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/07 11:33

S89	31	(circuit adj board or pcb) near10 (radiat\$4 adj3 (member or plane or plate))	EPO	OR	ON	2011/03/07 11:35
S90	4	("180". clas. or "280". clas.) and (circuit adj board or pcb) near10 (radiat\$4 adj3 (member or plane or plate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/07 11:35
S91	320	(237/28).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 17:44
S92	260	(454/69).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 17:44
S93	4561	(165/185).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 17:44
S94	1645	(165/41).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 17:44
S95	6747	S91 or S92 or S93 or S94	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/08 17:44
S96	3	S95 and (engine adj (compartment or room)) same circuit same bottom	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/08 17:44
S97	13	("200201411143"   "20020154486"   "20030048611"   "20030133267"   "20040141292"   "4668873"   "6160708"). PN. OR ("7120024"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 17:44
S98	2	S95 and (engine adj (compartment or room)) same circuit same (base or floor)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/08 17:48
S99	239	(engine adj (compartment or room)) same circuit same (base or floor)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 08:37
S100	237	(engine adj (compartment or room)) same circuit same (bottom or floor)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 10:31
S101	35	(engine adj (compartment or room)) near10 (bottom or floor) same circuit	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 10:41
S102	0	(engine adj (compartment or room)) near10 (bottom or floor) same circuit	EPO	OR	ON	2011/03/09 10:49

S103	2	(engine adj (compartment or room)) near10 (bottom or floor) same circuit	JPO	OR	ON	2011/03/09 10:49
S104	5	(engine adj (compartment or room)) near10 (bottom or floor) same circuit	DERWENT	OR	ON	2011/03/09 10:50
S105	320	(237/28).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 13:20
S106	260	(454/69).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 13:20
S107	4561	(165/185).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 13:20
S108	1645	(165/41).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 13:20
S109	6747	S105 or S106 or S107 or S108	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 13:20
S110	840	(361/715).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 13:20
S111	7403	S109 or S110	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 13:20
S112	50	S111 and (battery near5 circuit)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 13:21
S113	1	S111 and (battery near5 pcb)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 14:06
S114	182	(battery near5 (gap or clearance) near5 (circuit or pcb))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 14:07
S115	1	("595320").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 14:16
S116	9	("4880145"   "5469328"   "5590026"   "5781410"   "5812373").PN. OR ("595320").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 14:18
S117	2	(battery near5 (gap or clearance) near5 (circuit or pcb))	EPO	OR	ON	2011/03/09 14:40
S118	15	(battery near5 (gap or clearance) near5 (circuit or pcb))	JPO	OR	ON	2011/03/09 14:43
S119	37	(battery near5 (gap or clearance) near5 (circuit or pcb))	DERWENT	OR	ON	2011/03/09 14:46
S120	1	("5214370").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 15:33
S121	1	("5403782").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 15:34



S122	16	("4645943"   "4864373"   "4998888"   "5008776"   "5196374").PN. OR ("5403782").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 15:34
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